

FIGURE 1A

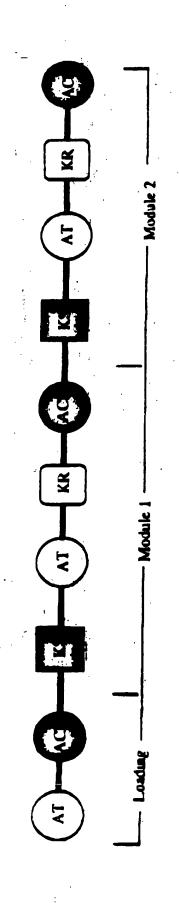
6-deoxyerythronolide B

Post-PKS Biosynthesis of Erythromycins

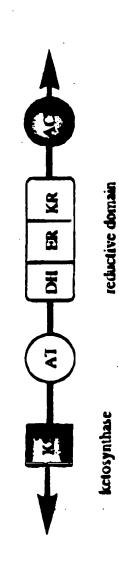
Frque 1B

erythromycin Ø A

DEBSI:



Generic Modular PKS.



ACP-like domain

acyltransferase

FIGURE 2

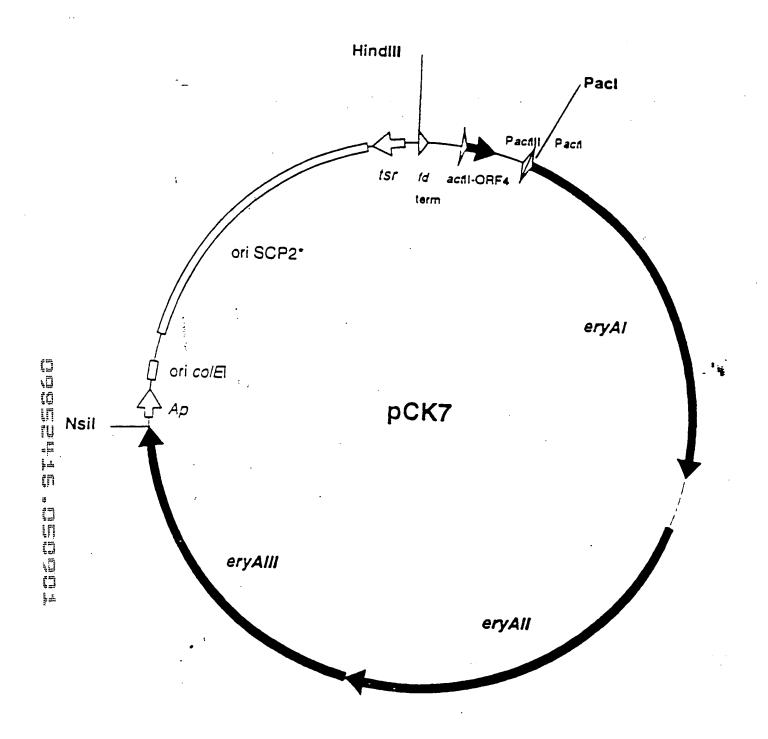


FIGURE 3

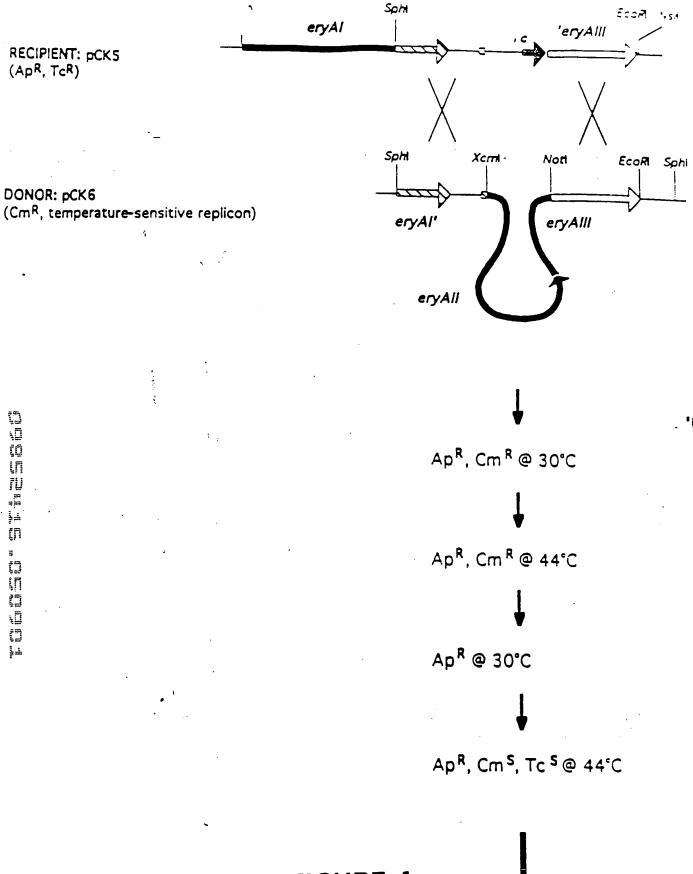
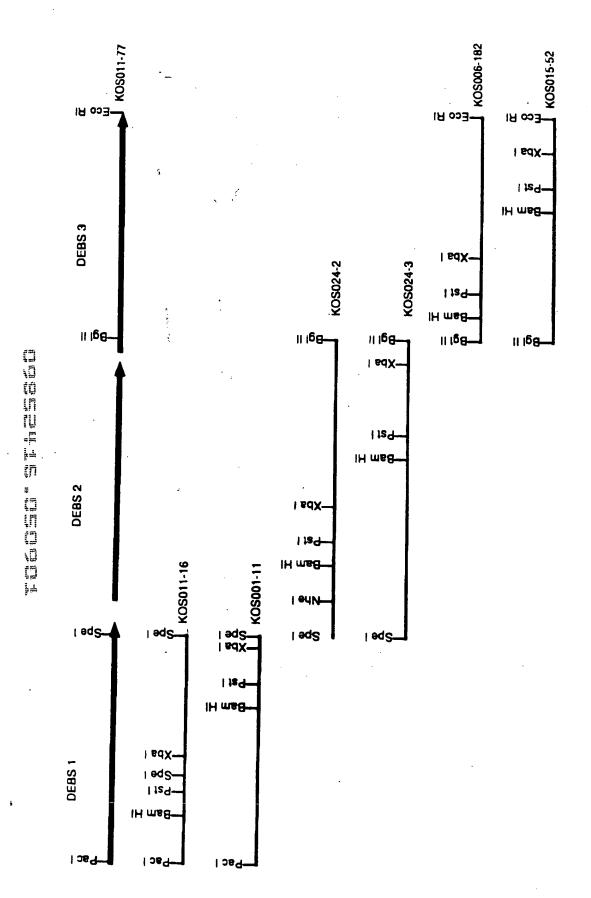


FIGURE 4



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FIGURE 6A

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FIGURE 6B

FIGURE 6C

FIGURE 6D

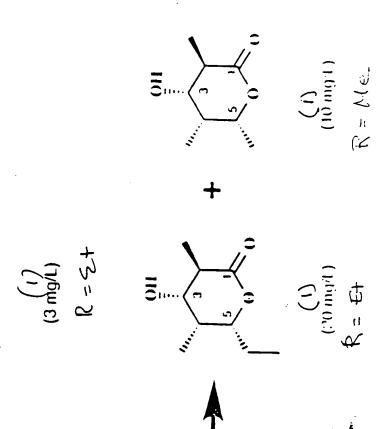
FIGURE 6E

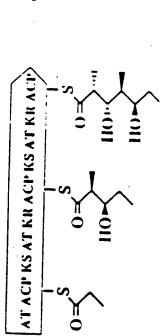
FIGURE 6F

6G

6 H

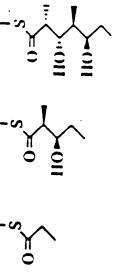
APR 28 '98 15:01





module 2

module 1



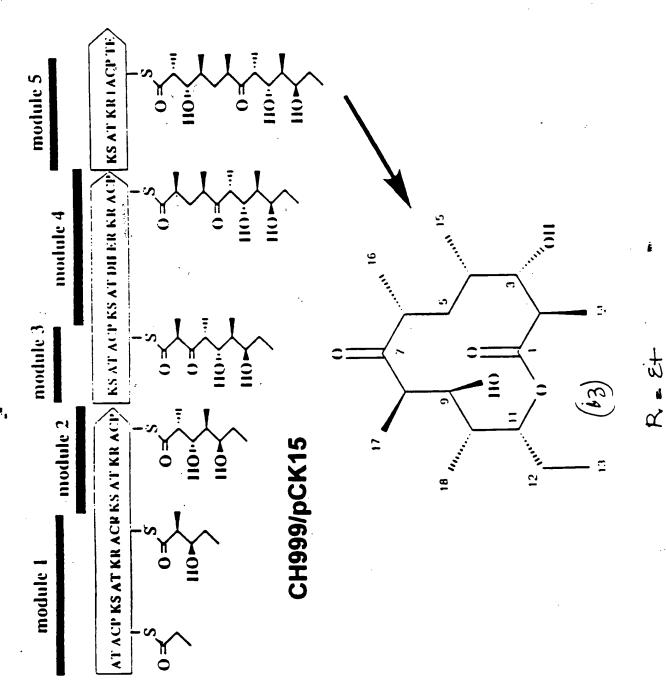
СН999/рСК9



CH999/pCK12

FIGURE



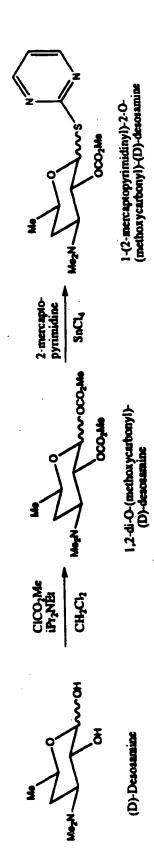


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FIGURE 8

FIGURE 9

Preparation of 1-(2-mercaptomyrimidinyl)-2-O-(methoxycarbonyl)-(D)-desosamine



11-oxo-11-deoxyerythromycin A

7-hydroxyerythromycin A

6-deoxy-7-hydroxyerythromycin A

312

2 313

314

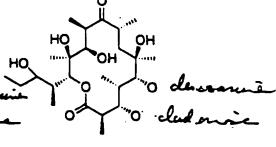
7-oxo-erythromycin A

315

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3-oxo-3-deoxy-5-desosaminylerythronolide A 3 L C 6,7-anhydro-erythromycin A



(14S,15S)-14-(1-hydroxyethyl)erythromycin A

14-(1-propyl)erythromycin A

14-(1-hydroxypropyl)erythromycin A

318

3 19 OH OH

5,6-dideoxy-6,6a-epoxy-5-oxo-erythronolide B O-mycarose

320

5,6-dideoxy-5-oxo-3-mycarosyl-erythronolide B

322

321